

## TROCHODOTA DUNEDINENSIS IN VICTORIA

We are indebted to Mr. M. J. Allan of Geelong, Australia, for the following facts concerning this Holothurian now reported for the first time from Victoria (Cario Bay) and hitherto recorded only from New Zealand:

In conformity with its genus it has in the skin numerous wheel plates, and the spicules have loops on one end and hooks on the other. The form is very transparent and forms a most interesting subject of study with the microscope because of the possibility of working out many details in the behavior of its internal organs. The power of changing form thru muscular contraction, so characteristic of holothurians, is thus subject to detailed study in life, not commonly found in animals of this size. The degree of contraction and elongation is said to be very remarkable.

An ecological point of interest is the uniform occurrence together of *Trochodota* and *Synapta digitata*, another member of the Holothurians. They seem to lay their eggs together, where they become attached to the marine growth in the mud at the bottom of the bay.

## REGENERATION OF SECTIONS OF ARTERIES

Carrel (Jour. Exp. Med., Aug., 1911) reports that a section of artery extirpated and patched by rubber tubing may be regenerated completely, about this foreign structure as a frame work, by the adjacent parts of the vessel, and become functionally complete.

## THE PHYSIOLOGY OF REPRODUCTION

The book with this title, by Dr. Francis H. A. Marshall, is well conceived and will prove a valuable book to the teacher and general student. It is somewhat more limited in scope than its title would indicate. With the exception of a general chapter on the "Breeding Season" in animals in which a few representatives of various phyla are used to illustrate certain principles; and of infrequent references to the condition in the lower forms, as in the chapter on fertilization, the book is confined to the reproductive processes in mammals and in man. The reader naturally wishes that work so well done might have given somewhat more space to the broader,